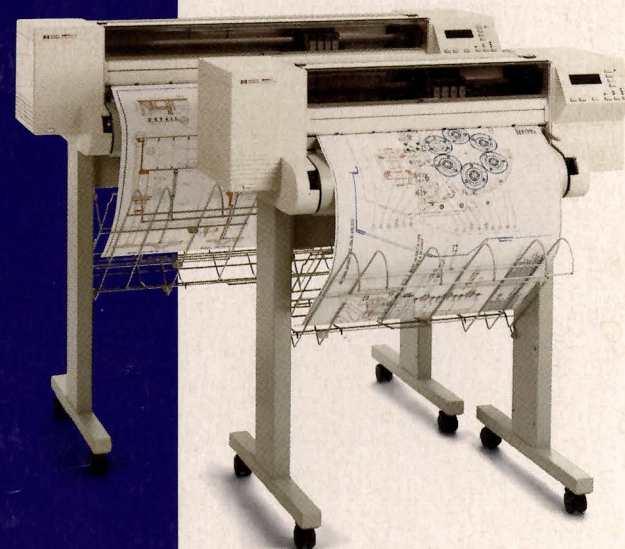




HP DesignJet 650C Plotter

Quick Reference Guide



Reorder Number: C2858-90051
Manual Part Number: C2858-90031
Printed in U.S.A., January 1993

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Publication number: C2858-90031
Second Edition, July 1993
Printed in U.S.A.

Reorder number: C2858-90051

Quick Reference

HP DesignJet 650C
Plotter

Hewlett-Packard Company
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16399 W. Bernardo Drive
San Diego, CA 92127-1899 U.S.A.

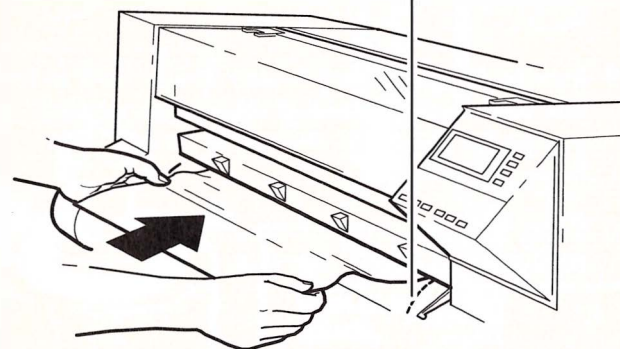
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To load sheet media

- 1 Make sure the media lever is down and the roll cover is closed.
- 2 Holding the media from the sides, align the right edge with the perforated line on the entry platen.
- 3 Insert the media until it buckles slightly. Let go of the media when the plotter begins to pull it in.
- 4 Press \uparrow next to the display window to indicate you are loading sheet media.
- 5 Scroll until your media type displays and press **Enter**.
- 6 Select the appropriate plotting mode and print quality you want for your plot.

Align media with perforation.

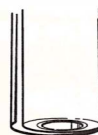


Insert media until it buckles slightly.

To put a new roll on the spindle

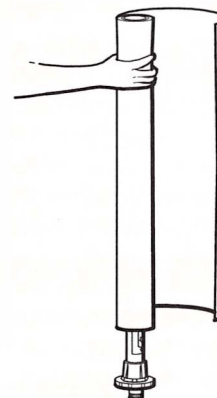
- 1 Remove the used spool from the plotter.
- 2 Rest the used spool upright on the floor so that the large, scalloped media stop is on top.
- 3 Pull out the media stop/spindle and set it aside.
- 4 From the other side of the used roll, slip out the endcap.
- 5 Set the media stop on the floor with the spindle up and slide the new roll onto the spindle. The leading edge of the media *must* wind clockwise.
If the media stop falls off, snap it back in. Push hard.
- 6 Push the endcap into the core, making sure the tabs are flush against the edge of the roll.

Pull out spindle.

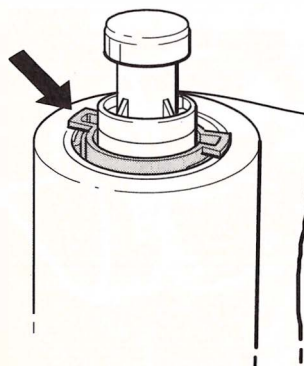


Remove end cap.

Slide roll onto spindle.
Media winds clockwise.

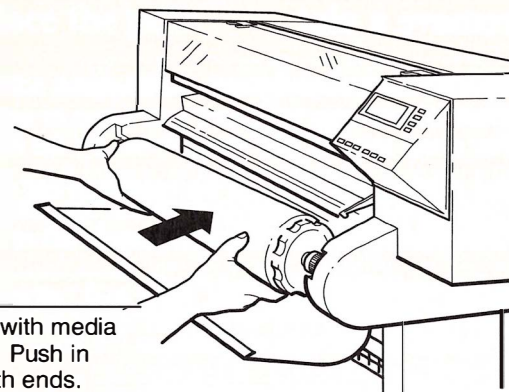


Push endcap onto spindle.

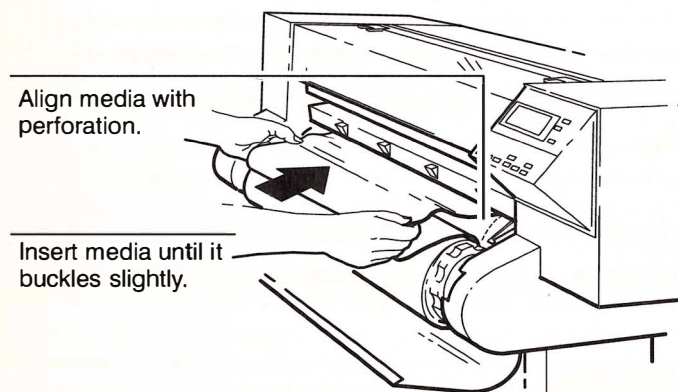


To load roll media

- 1 Be sure the plotter wheels are locked to prevent the plotter from moving. Open the roll cover.
- 2 Insert the spindle with the large media stop to the right. Push in firmly on both ends. The media winds over the top of the roll toward the front of the plotter.
- 3 Pull the media up and, holding it from the sides, visually align the right edge of the media with the perforated line on the entry platen.
- 4 Insert the leading edge into the plotter until the page buckles slightly. Let go of the media when the plotter begins to pull it in.
- 5 Press \downarrow next to the display window to indicate you are loading roll media.
- 6 Scroll until your media type displays and press **Enter**.
- 7 When the front panel instructs you, raise the media lever.
- 8 When "Pull \downarrow / Align \leftrightarrow edges to roll" displays, pull the left and right edges of the roll toward you until taut. Then align the left and right edges of the media so that they are flush with the left and right edges of the roll. Lower the lever.
- 9 Rewind the media stop to take up any slack in the roll, make sure the leading edge of the media is outside the roll cover, then close the roll cover. Press \downarrow to continue.
- 10 Select the appropriate plotting mode and print quality you want for your plot.



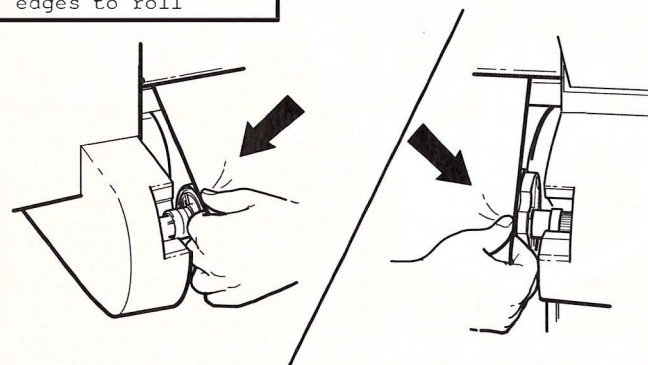
Insert spool with media stop at right. Push in firmly on both ends.



Align media with perforation.

Insert media until it buckles slightly.

Pull \downarrow / Align \leftrightarrow
edges to roll



To remove a plot

- 1 Wait for the ink to dry.
- 2 **For sheet media**, pull the plot out by the edges.
For roll media, wait for the plotter to cut the media after the ink-drying time.

To change the ink-drying time, refer to *Plotter setup/Dry time*.

To remove an *unplotted* sheet

- To remove an *unplotted* sheet, press **Form Feed/Cut**, then pull out the sheet when the plotter is finished feeding it out.
- Or lift the media lever, pull out the sheet and lower the lever.

To remove *unplotted* roll media

- 1 Lift the media lever to release the media.
- 2 Open the roll cover and turn the notched media stop to wind the media onto the roll.
- 3 Close the roll cover and lower the media lever.

To replace the pens

- 1 Press the **Access Pens** button and wait for the pen carriage to come to a complete stop next to the front panel.
- 2 When the pen carriage stops, open the window. Refer to the display to see which pen to replace.

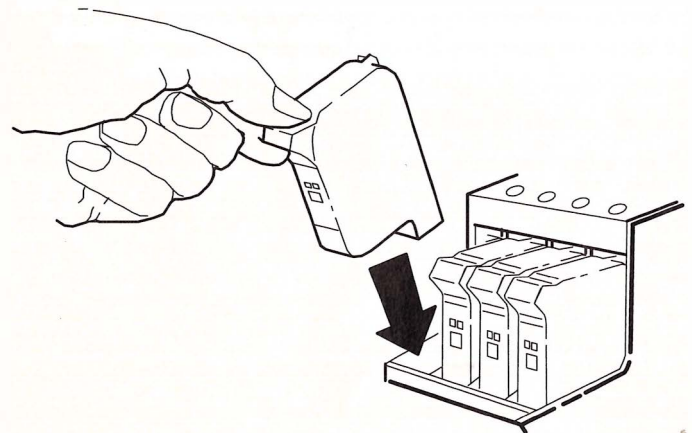
WARNING

Don't touch the stainless steel strip behind the pen carriage warning stripes; its edge is very sharp.

Keep hair, jewelry, clothing, and foreign objects away from the plotter mechanisms.

- 3 Press down slightly on the pen you are replacing and pull the pen toward you. Remove the pen from its slot and discard it.
- 4 Insert the new pen into the empty pen slot. Press down slightly and push the pen away from you until it snaps into the pen slot.
- 5 Repeat steps 3 through 5 to load another pen.

The plotter automatically aligns pens whenever one is inserted into the pen carriage. You must load HP special media for this procedure—the plotter will use all of the pens.



Plot size

The plotter determines the size of the plot at the time it is received.

Inked area (default) reduces the amount of wasted media more than any other setting. The page size is the inked area of the plot plus margins.

Use **Software** to plot a page size specified by the HP-GL/2 *page size* instruction sent by your software. The plotter adds its margins to this page size.

Use the **Best** (standard size) option when the plots you are creating need to be in a specific standard (for example, ISO or ANSI), but the actual size within that standard is not important. The plotter uses the smallest standard size into which the inked area will fit.

Use a **discrete** standard size (for example, ISO A3) for either of the two following reasons.

- When you are sending scalable plots that must be rendered at a specific size.
- When you want the final edges of your plot to conform to a standard size regardless of the amount of used plotting area within those borders.

If nesting is on and you have selected a discrete size, the plotter automatically rotates plots to determine which orientation uses the least amount of roll media.

Page format/Margins

Margin settings	Side margins	Leading/Trailing margins
Normal	5 mm	17 mm each
Expand ¹	5 mm	10 mm each

¹ Available for roll media only. Sheet media uses normal margins only.

Getting information

Refer to the following front panel menu options for specific plotter information.

- To find out information about plots in the queue (width, length, and memory used), refer to *Plot mgmt/Queue mgmt/(plot)/Statistics*.
- To plot information about certain front panel settings and internal plotter information, refer to *Utilities/Configplot*.
- To review internal information (also printed on the config plot), refer to *Utilities/Statistics*.

To use the front panel buttons

Previous

Moves to the next highest menu level.

↑ or ↓
(Scrolling
buttons)

Scroll through the current menus or menu options, and responds to action or error messages.

Enter

Enters the first level of the menu structure from the "STATUS" display.

Selects a menu or confirms a menu choice.

About this edition

Edition dates are as follows:

1st edition, January 1993

New editions are complete revisions of the document. Change sheets, which may be issued between editions, contain additional information. The dates on the title page change only when a new edition is published. Minor corrections that do not affect the function of the product may be made at reprint without a change to the print date.

Many product updates and fixes do not require document changes and, conversely, document corrections may be done without accompanying product changes. Therefore, do not expect a one to one correspondence between product updates and document revisions.

¹ This displays only when the optional card has been purchased and installed.

Menu (Shaded=Short menu)				Defaults indicated by ♦
Plot mgmt	Queue mgmt=	Plot # (<i>nK vectors</i>) Plot #=	Copies= Delete plot Move to top Statistics	1♦...99 Width, Length, RAM used
	Nest=	Off♦ Optimal, In order	Nest wait=	2 min♦, 30 sec, 5 sec
	Queue=	On♦, Off		
Demo plots	Palette Samples			
Utilities	Menu mode	Short♦, Full		
	Accuracy	Restore factory Recalibrate	Create plot, Measure plot	
	Config Plot Default menu Statistics	Max X, Max Y, Code rev, RAM present, Media currently loaded, ROM SIMM installed		
	Display data			
I/O setup	Modular	MIO specific menus		
	RS-232-C	Config=	Factory♦ Config A/B	
		Define config Factory Config A/B	Baudrate= Parity= Handshake=	38400, 19200, 9600♦, 4800, 2400, 1200 None (0)♦, Even, Odd, Mark Both♦, Hardwire, Xon/Xoff
Plotter setup	Lang=	7586, HP-GL/2♦	Timeout=	0.1, 0.5, 1, 2♦, 5, 10, 15, 20, 30 minutes
		PostScript ¹	Terminator=	Normal♦, Special
		HP-GL/2	Scale=	100%♦, 129%, 141%, 200%, 210%, 258%, 282%, 352%, 400%, 419%
	Quality=	Software♦, Plotter		
	Media bypass=	Off♦, On		
	Pen check=	On♦, Off		
	Contrast=	Dark, Normal♦, Light		
Pen Settings	Dry time=	Less, Normal♦, More, None		
	Palette=	Software♦, Palette A/B, Factory		
	Merge control=	Off♦, On		
	Define palette Palette A/B	Pen number <i>nn</i>	Width Color	0.13, 0.18, 0.25, 0.35♦, 0.50, 0.65, 0.70, 0.80, 0.90, 1.0, 1.4, 2.0, 3.0, 5.0, 8.0, 12.0 mm 0...255
Page format	Size=	Inked area♦, Software ISO ANSI JIS ARCH Oversize	Best ISO A, A4-A1/A0 Best ANSI, A-D/E Best JIS B, B4-B2/B1 Best ARCH, ARCH A-D/E Over A2, A1	
	Mirroring=	Off♦, On		
	Margins=	Normal♦, Expand		
	Rotate=	0♦, 90, 180, 270		